

GUIDE TO THE IMPLEMENTATION OF ELECTRONIC TRANSCRIPTS AND STUDENT RECORDS

Pre-Kindergarten Through Postsecondary Edition

Part 3 of 9

Transaction Set 131 Student Educational Record (Transcript) Acknowledgment

Authored by Members of the
American National Standards Institute
Accredited Standards Committee X12
Subcommittee A: Education Administration

Version 4
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Note to User:

The Electronic Transcripts and Student Records suite of formats is made up of five transaction sets:

TS130-Student Educational Record (Transcript)
TS131-Student Educational Record (Transcript) Acknowledgment
TS146-Request for Student Educational Record (Transcript)
TS147-Response to Request for Student Educational Record (Transcript)
TS997-Functional Acknowledgment

The "Guide to the Implementation of Electronic Transcripts and Student Records, Pre-Kindergarten through Postsecondary Edition" provides usage details for the elementary, secondary, and postsecondary education communities. Based on ANSI ASC X12 Version 4 Release 1, the Guide was made available in April 1998.

Part 1--Chapters 1-3: Additional critical information for proper use of the transaction sets as a whole

Chapter 1: Introduction

Chapter 2: ASC X12 Nomenclature

Chapter 3: Acknowledgment Process

Part 2--TS130: Student Educational Record (Transcript)

Part 3--TS131: Student Educational Record (Transcript) Acknowledgment

Part 4--TS146: Request for Student Educational Record (Transcript)

Part 5--TS147: Response to Request for Student Educational Record (Transcript)

Part 6--TS997: Functional Acknowledgment

Part 7--Appendix A: Change Summary

Part 8--Appendix B: Data Element Dictionary

Part 9--Appendix C: Segment Summary

The above documentation is available electronically, free of charge, in Microsoft Word 97 format (.doc), Portable Document Format (.pdf), and Rich Text Format (.rtf) from <http://nces.ed.gov/edi.html> under the "Implementation Documents" link. Bound copies may be purchased from the AACRAO Distribution Center by calling (301) 490-7651 or by fax at (301) 206-9789. The publication order number is 6007.

Documentation for the five transaction sets was developed using SpecBuilder Version 3.2 from EDIfECS Corporation and is downloadable in native SpecBuilder format (.eds) from their web page-<http://www.edifecs.com>. This format provides a navigable version of the transaction sets and is intended to be used as a replacement for the hyper-linked capability provided in the previous version of the Guide. A copy of either SpecViewer (downloadable, free of charge, from the EDIfECS home page) or SpecBuilder (available from EDIfECS) is required to view the native SpecBuilder output. While it is possible to print from either SpecViewer or SpecBuilder, it is suggested that locally printed copies be generated from the .doc, .pdf, or .rtf files since they have been enhanced for that purpose.

A postsecondary edition has been published by the Postsecondary Electronic Standards Council and is available, free of charge, electronically at <http://www.standardscouncil.org/transsets.htm>. Bound copies may be purchased from the AACRAO Distribution Center by calling (301) 490-7651 or by fax at (301) 206-9789. The publication order number is 6006.

131

Student Educational Record (Transcript) Acknowledgment

Functional Group=**AK**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Student Educational Record (Transcript) Acknowledgment Transaction Set (131) for use within the context of an Electronic Data Interchange (EDI) environment.

The Student Educational Record (Transcript) Acknowledgment record is used to ensure that the original transcript did, in fact, come from the proper office at the educational institution indicated as the sender and that certain key elements of the transcript were received as they were sent. It also provides the sending institution with confirmation that the original record was received by the intended recipient and the date it was received. This information may then be relayed to the student or other individual who requested the record transfer.

Heading (Table 1):

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
010	ST	Transaction Set Header	M	1			Must use	5
020	BGN	Beginning Segment	M	1			Must use	6
030	N1	Name (Sending/Receiving Institution)	M	2		N1/030	Must use	8
040	REF	Reference Identification	M	2		N1/040	Must use	10
050	QTY	Quantity (Number of CRS and DEG Segments)	M	2		N1/050	Must use	12
060	SUM	Academic Summary	O	1		N1/060	Used	13
070	IN2	Individual Name Structure Components	M	1		N1/070	Must use	18
080	SE	Transaction Set Trailer	M	1			Must use	19

Notes:

- 1/030 The N1 segments identify the sending and receiving institutions.
- 1/040 The REF segments include the student number in the REF segment and the transaction set reference number in the BGN segment of the original transaction set being referenced.
- 1/050 The QTY segments include the number of CRS and DEG segments in the original transaction set being referenced.
- 1/060 The SUM segment is the same as the last SUM segment in Table 1 of the original transaction set being referenced.
- 1/070 The IN2 segment is the first occurrence of the IN2 segment of the original transaction set being referenced.

Note to User:

Segments can carry different connotations depending on their location within the transaction set. Therefore, instructions within a segment are tailored to the segment's relative position.

Valid values for a particular instance of a data element are also highly dependent on the data element's location. Relevant code values for a data element are listed with each occurrence unless the list is very long AND all codes are relevant regardless of location within the transaction set. The country codes for data element 26 in the N4 segment, for example, are only listed in Appendix B. Some code values for some data elements have extended definitions to further explain the usage of the code. Extended definitions are listed only in Appendix B unless required for proper interpretation as is the case with many occurrences of Data Element 1073-Yes/No Condition or Response Code.

A new attribute column, Usage, appears in this version of the Guide. Codes for this column are:

Must Use = must be sent

Used = may be sent but is not required

K12 Only = sent only in elementary/secondary to elementary/secondary transmissions

Postsec Only = sent only in transmissions from postsecondary institutions

Not Used = not used in this transaction set at the current position

Refer to Chapter 2 for a complete description of the columns and codes used in the segment summary and the segment details which follow.

ST

Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elms: 2

To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set <u>Code</u> <u>Description</u> 131 Student Educational Record (Transcript) Acknowledgment	M	ID	3/3	Must use
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Note to User: This is the identifying control number assigned and maintained by the sender of the transaction set. This value is assigned by the sender in such a way that it is unique to the transaction being sent. This value must match that in data element SE02. It should be returned in AK202 of TS997 (Functional Acknowledgment).	M	AN	4/9	Must use

Semantics:

- The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BGN Beginning Segment

Pos: 020 Max: 1
Heading - Mandatory
Loop: N/A Elms: 9

To indicate the beginning of a transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BGN01	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set <u>Code</u> <u>Description</u> 06 Confirmation	M	ID	2/2	Must use
BGN02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Note to User: The acknowledgment process for the TS130 requires that this value be the same as the ST02/SE02 Transaction Set Control Number of the TS130 which is being acknowledged. Therefore, in this context, the data must have a minimum length of 4 and a maximum length of 9 characters.	M	AN	1/30	Must use
BGN03	373	Date Description: Date expressed as CCYYMMDD Note to User: This indicates the date this transaction was originated by the sender.	M	DT	8/8	Must use
BGN04	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) Note to User: This is the time the transaction was originated by the sender.	X	TM	4/8	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BGN05	623	Time Code Description: Code identifying the time. Note to User: This indicates the time zone or type of time in BGN04. <u>Code</u> <u>Description</u> AD Alaska Daylight Time AS Alaska Standard Time AT Alaska Time CD Central Daylight Time CS Central Standard Time CT Central Time ED Eastern Daylight Time ES Eastern Standard Time ET Eastern Time GM Greenwich Mean Time HD Hawaii-Aleutian Daylight Time HS Hawaii-Aleutian Standard Time HT Hawaii-Aleutian Time LT Local Time MD Mountain Daylight Time MS Mountain Standard Time MT Mountain Time ND Newfoundland Daylight Time NS Newfoundland Standard Time NT Newfoundland Time PD Pacific Daylight Time PS Pacific Standard Time PT Pacific Time TD Atlantic Daylight Time TS Atlantic Standard Time TT Atlantic Time UT Universal Time Coordinate	O	ID	2/2	Used
BGN06	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Not used
BGN07	640	Transaction Type Code Description: Code specifying the type of transaction	O	ID	2/2	Not used
BGN08	306	Action Code Description: Code indicating type of action	O	ID	1/2	Not used
BGN09	786	Security Level Code Description: Code indicating the level of confidentiality assigned by the sender to the information following	O	ID	2/2	Not used

Syntax:

C0504 -- If BGN05 is present, then BGN04 is required.

Semantics:

1. BGN02 is the transaction set reference number.
2. BGN03 is the transaction set date.
3. BGN04 is the transaction set time.
4. BGN05 is the transaction set time qualifier.
5. BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

N1

Name (Sending/Receiving Institution)

Pos: 030	Max: 2
Heading: Mandatory	
Loop: N/A	Elms: 6

To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	Entity Identifier Code (Type of Sender or Receiver) Description: Code identifying an organizational entity, a physical location, property or an individual <u>Code Description</u> AS Postsecondary Education Sender AT Postsecondary Education Recipient KR Pre-kindergarten to Grade 12 Recipient KS Pre-kindergarten to Grade 12 Sender	M	ID	2/3	Must use
N102	93	Name (Institution Name) Description: Free-form name Note to User: This is the free-form name of the institution or agency as commonly used. The N102 data element may be augmented by N2 data segments if the free-form name exceeds 60 characters. This information is redundant if valid codes are sent in N103 and N104.	X	AN	1/60	Used
N103	66	Identification Code Qualifier (Institution Code Qualifier) Description: Code designating the system/method of code structure used for Identification Code (67) Note to User: A crosswalk table for code sets 71, 72, 73, 74, CB and CS is available on diskette from AACRAO at (202) 293-7383. <u>Code Description</u> 71 Integrated Postsecondary Education Data System (IPEDS) set of codes maintained by the U.S. Department of Education's National Center of Education Statistics 72 The College Board's Admission Testing Program (ATP) 73 Federal Interagency Commission on Education (FICE) number. Available from the United States Department of Education 74 American College Testing (ACT) list of postsecondary educational institutions. 77 National Center for Education Statistics (NCES) Common Core of Data (CCD) number for PreK - 12 institutions 78 The College Board and ACT 6 digit code list of secondary educational institutions CB Statistics Canada Canadian College Student Information System Institution Codes CS Statistics Canada University Student Information System University Codes	X	ID	1/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N104	67	Identification Code (Institution Code) Description: Code identifying a party or other code Note to User: This is the institution code from the code set identified in N103.	X	AN	2/80	Used
N105	706	Entity Relationship Code Description: Code describing entity relationship	O	ID	2/2	Not used
N106	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual	O	ID	2/3	Not used

Syntax:

R0203 -- At least one of N102 or N103 is required.

P0304 -- If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

Note to User:

One iteration of the N1 segment describes the sender of this transaction set and the other describes the receiver. In each case it is recommended that N103 and N104 be used to identify the institution. If this is not possible, N102 is available for the free-form name of the institution.

REF Reference Identification

Pos: 040	Max: 2
Heading - Mandatory	
Loop: N/A	Elms: 4

To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification Note to User: This code identifies the type of student identification number being transmitted in REF02. <u>Code Description</u> 28 Employee Identification Number 30 United States Government Visa Number 48 Agency's Student Number. This is the number assigned by an agency other than the institution sending the record. 49 Family Unit Number 4A Personal Identification Number (PIN) 50 State Student Identification Number 56 Corrected Social Security Number 57 Prior Incorrect Social Security Number C0 Canadian Social Insurance Number F8 Original Reference Number LR Local Student Identification Number MV Migrant Number SY Social Security Number	M	ID	2/3	Must use
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Note to User: This is one of two numbers: (1) the original Reference Identification, BGN02, of the TS130 being acknowledged, or (2) the Reference Identification (REF02) from the first REF segment identifying the student as it was received in the TS130 being acknowledged.	X	AN	1/30	Used
REF03	352	Description Description: A free-form description to clarify the related data elements and their content Note to User: This is a free-form text description of the student identification number as may be necessary for clarification or positive identification.	X	AN	1/80	Used
REF04	C040	Reference Identifier Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Not used

Syntax:

R0203 -- At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Note to User:

Both occurrences of the REF segment reflect data received in the TS130 being acknowledged. One occurrence of the REF segment returns the value received in the BGN02 as the Original Reference Number (REF01='F8'). The other occurrence must be an exact duplicate of the first REF segment identifying the student (TS130 position 1/040) as it was received (exclusive of element and segment separators).

If the TS130 was itself a response to a TS146, then it is possible for both occurrences of the REF segments in the TS131 to contain the same data. The sender of the TS131 should still send both REF segments.

QTY

Quantity (Number of CRS and DEG Segments)

Pos: 050	Max: 2
Heading - Mandatory	
Loop: N/A	Elms: 4

To specify quantity information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
QTY01	673	Quantity Qualifier (Type of Segment) Description: Code specifying the type of quantity <u>Code</u> <u>Description</u> E1 Course Segments E2 Degree Segments	M	ID	2/2	Must use
QTY02	380	Quantity (Segments Count) Description: Numeric value of quantity Note to User: This is the count of the number of segments (either course - CRS or degree-DEG, as specified in the previous data element) in the transcript Transaction Set 130 that was received. If the Transaction Set had no segments of that specified type, the value of this element would be "0".	M	R	1/15	Must use
QTY03	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	O	Comp		Not used
QTY04	61	Free-Form Message Description: Free-form information	X	AN	1/30	Not used

Syntax:

R0204 -- At least one of QTY02 or QTY04 is required.
E0204 -- Only one of QTY02 or QTY04 may be present.

Semantics:

- QTY04 is used when the quantity is non-numeric.

Comments:

This segment is used to specify the number of CRS segments and DEG segments that were in the transaction set 130 received.

Note to User:

This segment is used to specify the number of CRS segments and DEG segments that were in the transaction set 130 received

SUM Academic Summary

Pos: 060	Max: 1
Heading - Optional	
Loop: N/A	Elms: 18

To provide summary information for an academic session, a postsecondary degree, or for the entire student academic record

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																																																		
SUM01	1141	Academic Credit Type Code Description: Code indicating the type of credit used (awarded) by the sending institution <table><tr><th><u>Code</u></th><th><u>Description</u></th></tr><tr><td>A</td><td>Adult Credits</td></tr><tr><td>C</td><td>Continuing Education Unit</td></tr><tr><td>G</td><td>Carnegie Units</td></tr><tr><td>N</td><td>No Credit</td></tr><tr><td>Q</td><td>Quarter Hour Credit</td></tr><tr><td>S</td><td>Semester Hour Credit</td></tr><tr><td>U</td><td>Units</td></tr><tr><td>V</td><td>Vocational Credits</td></tr><tr><td>X</td><td>Other Type of Credit</td></tr></table>	<u>Code</u>	<u>Description</u>	A	Adult Credits	C	Continuing Education Unit	G	Carnegie Units	N	No Credit	Q	Quarter Hour Credit	S	Semester Hour Credit	U	Units	V	Vocational Credits	X	Other Type of Credit	X	ID	1/1	Used																														
<u>Code</u>	<u>Description</u>																																																							
A	Adult Credits																																																							
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S	Semester Hour Credit																																																							
U	Units																																																							
V	Vocational Credits																																																							
X	Other Type of Credit																																																							
SUM02	1142	Academic Grade or Course Level Code Description: Code indicating the level or type or both, of work which is reflected in the grade average and the credit hours Note to User: This is the level of work which is reflected in the GPA and hours carried on this academic summary record. It is important that this element be sent as part of the segment if the segment is included. <table><tr><th><u>Code</u></th><th><u>Description</u></th></tr><tr><td>1</td><td>Remedial</td></tr><tr><td>2</td><td>Basic</td></tr><tr><td>3</td><td>Teacher's Aide</td></tr><tr><td>4</td><td>General</td></tr><tr><td>5</td><td>Applied</td></tr><tr><td>6</td><td>Survey</td></tr><tr><td>7</td><td>Regular</td></tr><tr><td>8</td><td>Specialized Topics</td></tr><tr><td>9</td><td>Advanced</td></tr><tr><td>10</td><td>Honors</td></tr><tr><td>11</td><td>Gifted and Talented</td></tr><tr><td>12</td><td>Advanced Placement</td></tr><tr><td>13</td><td>Special Education</td></tr><tr><td>14</td><td>Vocational Education</td></tr><tr><td>15</td><td>Independent Study</td></tr><tr><td>16</td><td>Work Experience</td></tr><tr><td>17</td><td>Adult Basic</td></tr><tr><td>18</td><td>Adult Secondary</td></tr><tr><td>19</td><td>International Baccalaureate</td></tr><tr><td>A</td><td>Summary of all courses taken at all institutions</td></tr><tr><td>AR</td><td>Academic Renewal</td></tr><tr><td>B</td><td>Summary of all courses taken at sending institution</td></tr><tr><td>D</td><td>Dual Level (Upper Division and Graduate)</td></tr><tr><td>DL</td><td>Dual Level (Graduate and Professional)</td></tr></table>	<u>Code</u>	<u>Description</u>	1	Remedial	2	Basic	3	Teacher's Aide	4	General	5	Applied	6	Survey	7	Regular	8	Specialized Topics	9	Advanced	10	Honors	11	Gifted and Talented	12	Advanced Placement	13	Special Education	14	Vocational Education	15	Independent Study	16	Work Experience	17	Adult Basic	18	Adult Secondary	19	International Baccalaureate	A	Summary of all courses taken at all institutions	AR	Academic Renewal	B	Summary of all courses taken at sending institution	D	Dual Level (Upper Division and Graduate)	DL	Dual Level (Graduate and Professional)	O	ID	1/2	Used
<u>Code</u>	<u>Description</u>																																																							
1	Remedial																																																							
2	Basic																																																							
3	Teacher's Aide																																																							
4	General																																																							
5	Applied																																																							
6	Survey																																																							
7	Regular																																																							
8	Specialized Topics																																																							
9	Advanced																																																							
10	Honors																																																							
11	Gifted and Talented																																																							
12	Advanced Placement																																																							
13	Special Education																																																							
14	Vocational Education																																																							
15	Independent Study																																																							
16	Work Experience																																																							
17	Adult Basic																																																							
18	Adult Secondary																																																							
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A	Summary of all courses taken at all institutions																																																							
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D	Dual Level (Upper Division and Graduate)																																																							
DL	Dual Level (Graduate and Professional)																																																							

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		E Summary of All Courses Taken at All Institutions, Excluding Repeated and/or Forgiven Courses F Summary of All Courses Taken at the Sending Institution, Excluding Repeated and/or Forgiven Courses G Graduate (postsecondary) H Higher or Upper division (postsecondary) I Institutional Credit L Lower division (postsecondary) M Work in the Major or Program P Professional R Remedial (postsecondary) T Summary of Transfer Work Only U Undergraduate (postsecondary) V Summary of Transfer Work Only, Excluding Repeated and/or Forgiven Courses				
SUM03	1073	Yes/No Condition or Response Code (Cumulative Summary Indicator) Description: Code indicating a Yes or No condition or response <u>Code</u> <u>Description</u> Y Yes This is a summary of all work included on the record.	O	ID	1/1	Used
SUM04	380	Quantity (Academic Credit Hours Included in GPA) Description: Numeric value of quantity Note to User: This is the total number of credits (or credit hours) included in the grade point average for this particular summary. Inclusion or exclusion of certain credits depends on the policy of the sending institution. If this element is sent, then SUM01 must be sent.	O	R	1/15	Used
SUM05	380	Quantity (Academic Credit Hours Attempted or Paid For) Description: Numeric value of quantity Note to User: This is the total number of credits (credit hours) included on the record for this particular summary. This would normally be all credits for which the student paid, whether or not the credits were used to calculate the grade point average. Examples of credit hours to be included, if available, are credits for which non-punitive grades such as "I" or "W" or "Audit" were awarded. If this element is sent, then SUM01 must be sent.	O	R	1/15	Used
SUM06	380	Quantity (Academic Credit Hours Earned) Description: Numeric value of quantity Note to User: This is the total number of credits (credit hours) attempted and earned and included in this summary.	O	R	1/15	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SUM07	740	Range Minimum (Lowest Possible Grade Point Average) Description: The value specifying the minimum of the measurement range Note to User: This is the lowest possible grade point average (GPA) that a student could obtain on the institution's grading scale. For example, on the typical, traditional 4.0 scale, this would be 0. However, on some scales this could be a negative number, such as -1. This field must be included if that default assumption is not accurate. The "R" data type indicates that the decimal should be included unless the value is a whole number.	X	R	1/20	Used
SUM08	741	Range Maximum (Highest Possible Grade Point Average) Description: The value specifying the maximum of the measurement range Note to User: This is the highest possible grade point average (GPA) that a student could obtain on the institution's grading scale for a regular course under normal conditions. For example, on the typical, traditional 4.0 scale, this would be 4. On some scales this might be 3, or 100, or 4.5. Some institutions have a policy that will allow a weighted grade for an honors course. This should be indicated in SUM10.	X	R	1/20	Used
SUM09	1144	Academic Grade Point Average Description: The grade point average of a student	O	R	1/6	Used
SUM10	1073	Yes/No Condition or Response Code (Excessive GPA Indicator) Description: Code indicating a Yes or No condition or response Note to User: This is a code indicating that an A+ grade has a value higher than the highest possible GPA. <u>Code Description</u> N No It is not possible to have a higher GPA than indicated in SUM08. Y Yes It is possible to have a higher GPA than indicated in SUM08.	O	ID	1/1	Used
SUM11	1145	Class Rank Description: This is a student's numerical class rank with the highest student in the class having a rank or position of 1 Note to User: This optional element will not normally be sent as part of the postsecondary transcript but will be received as part of the PreK-Grade 12 student record.	O	N0	1/4	Used
SUM12	380	Quantity (Total Number of Students in Class) Description: Numeric value of quantity Note to User: This is the total number of students in the class to help position the student's rank.	O	R	1/15	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SUM13	1250	Date Time Period Format Qualifier (Format for Date of Class Ranking) Description: Code indicating the date format, time format, or date and time format Note to User: This indicates the format of the date that the class rank was determined. It is not sent if SUM11, 12, and 14 are not sent. <u>Code Description</u> CM Date in Format CCYYMM CY Year Expressed in Format CCYY D8 Date Expressed in Format CCYYMMDD DB Date Expressed in Format MMDDCCYY	X	ID	2/3	Used
SUM14	1251	Date Time Period (Date of Class Ranking) Description: Expression of a date, a time, or range of dates, times or dates and times. Note to User: This is the date the class rank was determined. It is sent in the format indicated in SUM13. It is not sent if SUM11, 12, and 13 are not sent.	X	AN	1/35	Used
SUM15	607	Number of Days (Days Attended) Description: Count of Days	O	N0	1/3	K12 Only
SUM16	380	Quantity (Days Absent) Description: Numeric value of quantity	O	R	1/15	K12 Only
SUM17	380	Quantity (Quality Points Used to Calculate GPA) Description: Numeric value of quantity Note to User: This quantity indicates the number of quality points used to compute the student's grade point average appearing in SUM09.	O	R	1/15	Used
SUM18	1558	Academic Summary Source Description: Code used to indicate the source of the summary data	O	ID	1/1	Not used

Syntax:

C0401-- If SUM04 is present, then SUM01 is required.
 C0501-- If SUM05 is present, then SUM01 is required.
 C0601-- If SUM06 is present, then SUM01 is required.
 P0708-- If either SUM07 or SUM08 is present, then the other is required.
 P1314-- If either SUM13 or SUM14 is present, then the other is required.

Semantics:

- SUM03 indicates if this is a summary for entire record up to that point in time. A "Y" indicates that this is a cumulative summary of the academic record up to that point; an "N" indicates that this is not a cumulative summary, but is a session.
- SUM04 refers to credits used to compute grade point average.
- SUM05 refers to credits attempted.
- SUM06 refers to credits earned.
- SUM07 and SUM08 are the lowest and highest, respectively, grade point averages possible under normal conditions

6. SUM10 indicates if it is possible to have a grade point average higher than the maximum range. A "Y" indicates that it is possible to have a grade point average higher than the maximum range; an "N" indicates that it is not possible.
7. SUM11 refers to the student's position or rank in the class, while SUM12 refers to the total number in the class.
8. SUM14 refers to the date of the class ranking.
9. SUM15 is the days attended.
10. SUM16 is the days absent.
11. SUM17 indicates quality points used to compute the student's grade point average.

Note to User:

This SUM segment should be an exact duplicate (exclusive of elements and segment separators) of the last SUM segment in the Table 1-Heading Section of the received TS130. If none was received, then this segment should not be sent.

IN2 Individual Name Structure Components

Pos: 070 Max: 1
Heading - Mandatory
Loop: N/A Elms: 2

To sequence individual name components for maximum specificity

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																																		
IN201	1104	Name Component Qualifier Description: Code identifying the type of name component <table><thead><tr><th><u>Code</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>01</td><td>Prefix</td></tr><tr><td>02</td><td>First Name</td></tr><tr><td>03</td><td>First Middle Name</td></tr><tr><td>04</td><td>Second Middle Name</td></tr><tr><td>05</td><td>Last Name</td></tr><tr><td>06</td><td>First Initial</td></tr><tr><td>07</td><td>First Middle Initial</td></tr><tr><td>08</td><td>Second Middle Initial</td></tr><tr><td>09</td><td>Suffix</td></tr><tr><td>12</td><td>Combined (Unstructured) Name</td></tr><tr><td>14</td><td>Name of an agency</td></tr><tr><td>15</td><td>Maiden or former name</td></tr><tr><td>16</td><td>Composite name (used if the name cannot be broken into separate parts</td></tr><tr><td>17</td><td>Middle Names</td></tr><tr><td>18</td><td>Preferred First Name or Nickname</td></tr><tr><td>22</td><td>Organization Name</td></tr></tbody></table>	<u>Code</u>	<u>Description</u>	01	Prefix	02	First Name	03	First Middle Name	04	Second Middle Name	05	Last Name	06	First Initial	07	First Middle Initial	08	Second Middle Initial	09	Suffix	12	Combined (Unstructured) Name	14	Name of an agency	15	Maiden or former name	16	Composite name (used if the name cannot be broken into separate parts	17	Middle Names	18	Preferred First Name or Nickname	22	Organization Name	M	ID	2/2	Must use
<u>Code</u>	<u>Description</u>																																							
01	Prefix																																							
02	First Name																																							
03	First Middle Name																																							
04	Second Middle Name																																							
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18	Preferred First Name or Nickname																																							
22	Organization Name																																							
IN202	93	Name Description: Free-form name	M	AN	1/60	Must use																																		

Semantics:

- IN201 defines the component of a structured name.

Note to User:

This IN2 segment should be an exact duplicate (exclusive of elements and segment separators) of the first IN2 segment of the received TS130.

SE

Transaction Set Trailer

Pos: 080	Max: 1
Heading - Mandatory	
Loop: N/A	Elms: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Note to User: This should contain the same value as that transmitted in ST02.	M	AN	4/9	Must use

Comments:

- SE is the last segment of each transaction set.

